

1. Modified maltitol crystals, characterised in that they are bipyramidal in form including two regular tetrahedrons juxtaposed by their square section base with sides of 50 to 500  $\mu\text{m}$  approximately, thus constituting regular octahedrons with edge length of approximately 50 to 500  $\mu\text{m}$ .

2. A crystalline maltitol composition, characterised in that it includes essentially maltitol crystals according to claim 1 and that it has a maltitol content greater than or equal to 87%, preferably greater than or equal to 92%, and more preferentially greater than or equal to 96% and a maltotriitol content by weight of dry matter, lower than 1%.

3. A manufacturing process of a composition in accordance with claim 2, characterised in that it consists in crystallising a maltitol syrup having a maltitol content greater than or equal to 87%, preferably greater than or equal to 92%, and more preferentially greater than or equal to 96% and a maltotriitol content lower than 1% by weight of dry matter.

4. Modified maltitol crystals, characterised in that they are prismatic in form, ending in plane faces constituting a tetrahedron, and that they are 100 to 400  $\mu\text{m}$  long and about 20 to 100  $\mu\text{m}$  wide.

5. A crystalline maltitol composition, characterised in that it includes essentially maltitol crystals according to claim 4 and that it has a maltitol content greater than or equal to 87%, preferably greater than or equal to 92%, and more preferentially greater than

or equal to 96% and a maltotriitol content greater than or equal to 4%.

5 6. A manufacturing process of a composition in accordance with claim 5, characterised in that it consists in crystallising a maltitol syrup having a maltitol content greater than or equal to 87%, preferably greater than or equal to 92%, and more preferentially greater than or equal to 96% and a maltotriitol content greater than or equal to 4% by weight of dry matter.

10 7. A crystalline maltitol composition, characterised in that it includes maltitol crystals according to claims 1 and 4 and that it has a maltitol content greater than or equal to 87%, preferably greater than or equal to 92%, and more preferentially greater than  
15 or equal to 96% and a maltotriitol content, by weight of dry matter, of between 1 and 4%.

20 8. A manufacturing process of a composition in accordance with claim 7, characterised in that it consists in crystallising a maltitol syrup having a maltitol content greater than or equal to 87%, preferably greater than or equal to 92%, and more preferentially greater than or equal to 96% and a maltotriitol content, by weight of dry matter, of between 1 and 4%.

25 9. A process for directing the form of the maltitol crystals, characterised in that it consists in controlling the maltotriitol content of the maltitol syrup to be crystallised.

10. The use of maltotriitol to modify or control the form of maltitol crystals.

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